



ABSTRACT

A system and method for simulating production capability is provided. The production capability simulating system can simulate rough-cut capacity planning (RCCP) and material requirements planning (MRP) of a manufacturing enterprise, and make main production schedule (MPS) accordingly. The system includes a plurality of client computers (3), an MPS management server (1), a database server (4) and a communication network (2) interconnecting the plurality of client computers, the database server, and the MPS management server. The MPS management server obtains data from external information systems by use of a data retrieving module (100), and generates an original MPS based on the obtained data for simulating the RCCP and the MRP. The original MPS is amended to be an optimized MPS according to the simulating results. Employing the present production capability simulating system, users can amend MPS in time by simulating RCCP and MRP and arrange production schedules efficiently.